

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/053705 A1

(51) International Patent Classification⁷: **A61K 31/5575**,
A61P 15/06

(74) Agent: **THOMAS, Philip**; Eric Potter Clarkson, Park
View House, 58 The Ropewalk, Nottingham NG1 5DD
(GB).

(21) International Application Number:
PCT/GB2004/001380

(22) International Filing Date: 29 March 2004 (29.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0327975.9 2 December 2003 (02.12.2003) GB

(71) Applicant (for all designated States except US): **IM-
PERIAL COLLEGE INNOVATIONS LIMITED**
[GB/GB]; 12th Floor, Electrical and Electronic Engineer-
ing Building, Imperial College, London SW7 (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BENNETT, Phillip**,
Robert [GB/GB]; 12 St Margaret's Road, Acton, London
W7 2HF (GB). **LINDSTRÖM, Tamsin** [GB/GB]; 4A Mil-
ton Road, Acton, London W3 6QA (GB).

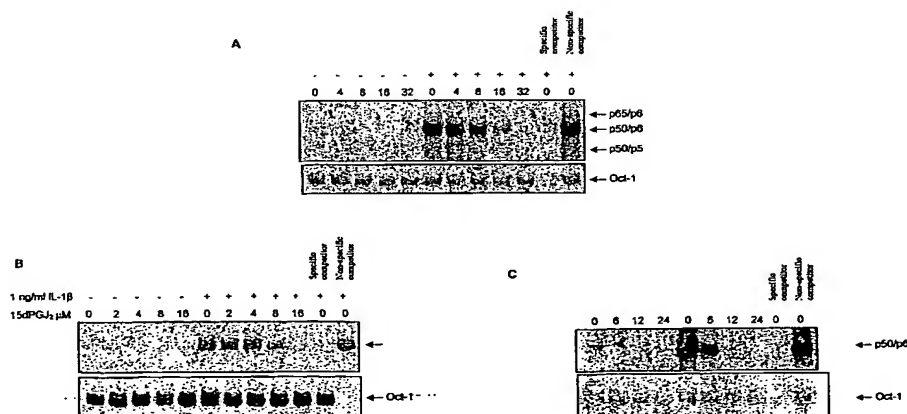
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: USE OF A CYCLOPENTENONE PROSTAGLANDIN FOR DELAYING THE ONSET AND/OR PREVENTING THE
CONTINUATION OF LABOUR



(57) Abstract: The present invention provides the use of a cyclopentenone prostaglandin in the manufacture of a medicament for delaying the onset and/or preventing the continuation of labour in a female. Preferably the cyclopentenone prostaglandin prevents and/or reduces an inflammatory response in the reproductive system of a female. Preferably, the cyclopentenone prostaglandin is 15-deoxy- $\Delta^{12,14}$ -prostaglandin J₂, or prostaglandin A₁ or a precursor thereof. The invention further provides a pharmaceutical composition comprising cyclopentenone prostaglandin and methods of use thereof.

WO 2005/053705 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.